

# W9KJF and Ham Chaser



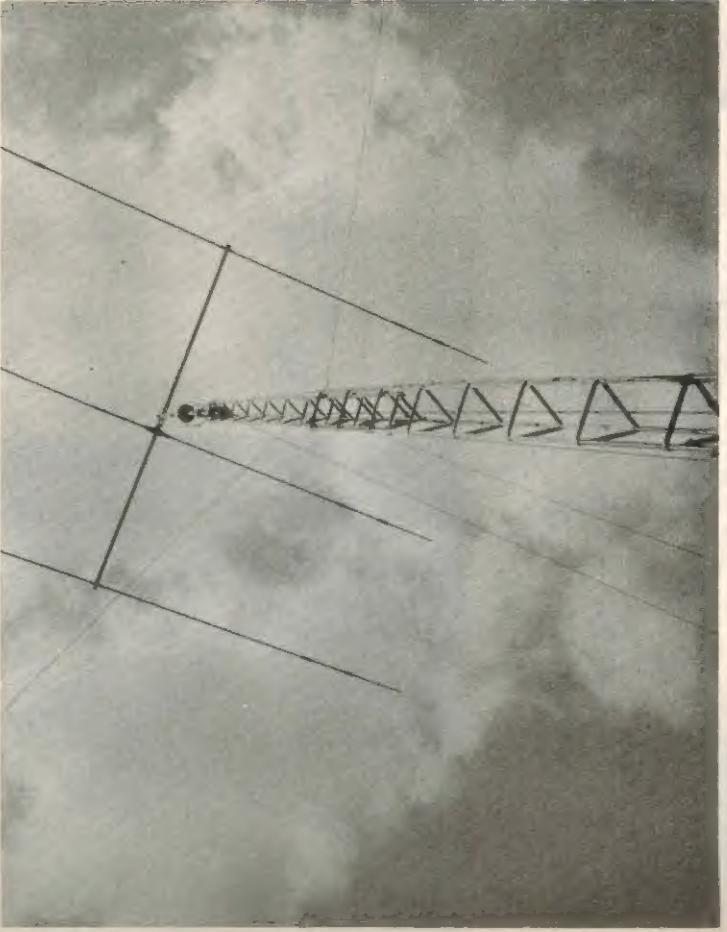
Gene  
Van Sickle,  
W9KJF

Features Ham gear in  
new Finest Electronic  
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sonal service.

MARCH, 1962

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# HAM HEADQUARTERS

The Indianapolis Radio Club meets on the 2nd and 4th Friday of each month at the Indianapolis Park Board Building located at 29th and Harding Streets. Meetings start promptly at 8:00 P.M., Indianapolis time.

## AMA-CHEWER STAFF

|                    |  |   |
|--------------------|--|---|
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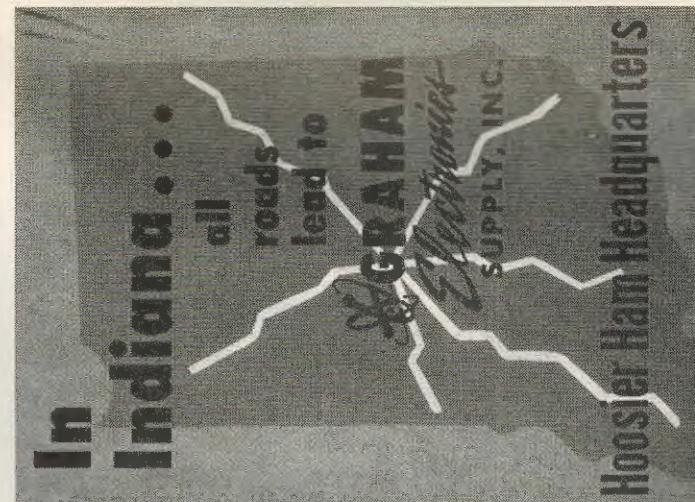
Ama-Chewer is published monthly by and for I.R.C. and all Amateurs in this area. Non-Members of I.R.C. may subscribe at the rate of \$1.00 per year.

Publication is on the 3rd Friday of each month, with all news items and ads due no later than the 1st Friday of each month.

Ham-Ads (5 line limit) are free to members and subscribers. Others may use this facility at the rate of 50 cents per ad.

Ama-Chewer welcomes the forwarding of information on coming events of other clubs in the area for publication in the program section.

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## PROGRAM REVIEW

APRIL 13th As usual, this evening will be devoted to the business end of our Club. This is the time when we vote whether to pay our bills or not. We always try to keep this meeting as short as possible and on this particular Friday evening, the Chief Operator, W9JZV, Doyal McVicker, will present a discussion entitled "The Practical Side of Oscilloscopes -- How to Do What You Want to Do With Them".

APRIL 27th Everyone will want to be here for this one. At long last, the program we have been waiting for! The Brownsburg Home Brew Club is finally going to be able to present its program to the group. As you recall, the group was snowed out during February.

MAY 11th One of the biggest features, and most popular, of our Club year is the annual Home Brew night. This year, Home Brew Night is on May 11th. For the past two out of three years, K9EUQ, Pat Husk, has walked off with the prize for the best entry. So come on, guys, let's kick the king off the throne. Like, coup d'estat, man!

\*\*\*\*\*

## NOTICE OF RADIO OPERATOR EXAMINATIONS

Amateur Examinations - May 18, 1962 - 9:00 A.M.  
All examinations must be completed by 2:00 P.M.,  
Room 526, Federal Building, Indianapolis, Indiana  
Commercial Examinations - May 17, 1962 - 9:00 A.M.  
All examinations must be completed by 5:00 P.M.,  
Room 526, Federal Building, Indianapolis, Indiana

GOOD LUCK, GUYS!!

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The IRC was pleased to again welcome Ted Anderson, field engineer for Tektronix, Inc., who presented another program on the subject of oscilloscopes, cathode ray tubes or just plain CRT.

A very complete color film showed the special manufacturing plant of Tektronix where all of the CRT are produced. It is only natural to assume that a fine precision instrument such as a Tektronix scope must have the finest CRT and anyone who saw this film was assured that everything had been done to manufacture the best CRT.

The various parts of the electron gun assembly were fitted in jigs and spot welded together on very small bench type spot welders which were electronically timed to provide a quality weld. The various gun assembly parts were then put through an ULTRASONIC CLEANER, which provides the most precision method of cleaning known to modern science. (99.5% effective in cleaning compared to 35% effective for vapor degreasing.)

Many critical operations were performed to make the screen of the glass envelope have the proper thickness of coating and then a helical spiral was painted on the inside of the tube by a special machine which varied its speed so a uniform coating of material was deposited as the diameter of the tube varied from the screen to the neck. A special leak detector was used in checking the tubes while they were being evacuated, then they were heated by both induction heating and a gas flame to complete the glass seal.

After viewing this film, it is evident that a precision CRT can only be manufactured in a clean, modern plant that uses up-to-date methods and procedures to assure the utmost in quality control. This Tektronix has done without any question.

de W9PSE

Editor's Note: By the way, a unit very similar to the Ultrasonic Cleaner described above, is available from Bob, W9PSE.

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## PRESIDENT'S FREQUENCY

I have been especially gratified by the fine attendance observed at recent meetings. It is my hope that the upcoming programs will not only keep you coming back for more, but will attract your ham friends who might be interested in becoming members. It has been nice to see some of the too active members, showing up at meetings.

Don't forget that we have a code class which begins its session at 7:30 each meeting night. This class is for the benefit of those whose code speed is a wee bit on the low speed side.

I would like to thank Mr. Dick Judkins, a real expert on meters and measurements, for his fine talk presented at our March 23rd meeting. Also, thanks to Mr. Marty Carr, of the Purdue University Airborne Television Program, MPATI, for his very interesting program the same night.

After a short business session on April 13th, the Chief Operator, will present the practical side of oscilloscopes. Since we were snowed out in February, we will have the fine program planned by the Brownsburg Home Brew Club at the April 27th meeting. This program should inspire you to hurry home and build up an entry for the competition on Home Brew Night, May 11th.

In case you don't know about it, through the purchase of tickets for the door prize, the Swap and Shop Auction will be held on May 25th. The aforementioned door prize is a Simpson 260 Volt-Ohm-Milliammeter.

The new tube checker should be on display at the next meeting, along with samples of the 2 meter rig sponsored by the Club. (Ed. Note: The Tube Checker has been delivered to the first Club member for his use, so sign up for your turn now, by contacting the Chief Op., W9JZV, D.J. McVicker.

## ORDERS FROM HEADQUARTERS

ARRL Official Observers continue to send out advisory reports to amateurs for radiation of harmonics in frequency ranges outside the amateur bands. Amateurs, especially those newly licensed, are urged to make sure their transmitters and antennas are radiating at the desired output frequency rather than at some harmonic. All amateurs are requested to guide the new licensee in this respect and urge reading of an article entitled "How to Avoid Radiation of Spurious Signals" on Page 26 of the April QST. Help keep amateurs out of difficulty with the FCC for radiation of harmonics.

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### CHICKENS!

To the best of our knowledge, Indiana's annual blizzard caused IRC to miss a meeting for the first time in the Club's history. Wars and floods don't seem to bother us but Indianapolis traffic is just too much to cope with. President Ward, K9CRS, Alvey Pittman, W9JJC, with the support of Bert Brouse, K9JSF on 6 meters and the local broadcast stations did their best to pass the word of "no Club meeting tonight!"

Only one member showed up, and was about to leave when we arrived. He was Jim Rees. If we missed you and you were brave enough to go out anyway, we're sure sorry. Next year we will know not to have an IRC meeting on February 23rd, our annual weekend for blizzards!

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### GRAHAMS SPECIALS OF THE MONTH

| <u>MONTHLY SPECIAL</u>                 | <u>GSB-100</u> | <u>\$250.00</u> |
|--|----------------|-----------------|
| Hallicrafter HT-31 Linear              | .....          | \$135.00        |
| Hallicrafter SX-62 Receiver            | .....          | \$195.00        |
| Hallicrafter S-108                     | .....          | \$110.00        |
| Hallicrafter SX-100 Receiver           | .....          | \$220.00        |
| Hallicrafter SX-111 Receiver           | .....          | \$239.00        |
| Gonset GSB 201 Linear                  | .....          | \$339.00        |
| Johnson Ranger Transmitter             | .....          | \$167.50        |
| R.M.E. 4300 Receiver w/cal.            | .....          | \$140.00        |
| R.M.E. 4350 Receiver w/sprk. & slicer. | .....          | \$199.00        |

Freeway driving continues to become more and more complex. Latest thing in rescue techniques was recently demonstrated in California. Driver Lew Bellingham found himself stalled and stranded on the L.A. Freeway late at night. Luckily his car was equipped with a mobile ham radio transmitter. He issue a DESPARATE S.O.S., explaining that fellow motorists wouldn't stop to help him. The signal was picked up 400 miles away, the call for help was transmitted to the Highway Patrol, which in turn notified the Los Angeles office from which a rescue party was dispatched.

(From November issue, "Road & Track" magazine)

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We thought in the interest of those hams who want to know more about the Ama-Chewer, particularly why it is sometimes late, we would give you a brief look at the "office and staff" of the editor.

This month the Eye was in attendance at our March 23rd meeting. During a lively discourse on the principals and uses of meters by Mr. Dick Judkins, The Eye winked and this is the result. For once, everyone is smiling without the usual "watch the birdie"!

You would be smiling too if you knew that "The Eye" just about swallowed his six inch cigar while taking this picture.

\*\*\*\*\*

NEW CLUB

For about twenty years, W9JJC has been a Lone Wolf at Linde Company, as far as amateur radio goes, and we can understand why he was somewhat shook up a few weeks ago when he saw a particular note on the Bulletin Board. A ham radio club was being formed. Now he is a teacher! They had eighteen show up at the first meeting and Alvey showed slides of some local rigs, explained license requirements and average prices of equipment for the beginner. The club's next meeting will start right off with code and theory classes.

(Somebody must have run out of IRC membership applications!  
Ed.)



THE EYE HAS IT



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What is your project for Home Brew Night? May 11th.

Members of the Central Indiana Mobile Radio Club assisted the Marion County Heart Association on February 25th by providing transportation and communications for Heart Fund solicitors.

Mobile stations were dispatched from the Heart Association office in downtown Indianapolis, where a six-meter station, using the Club call, W9URC, was set up.

This station kept in touch with six-meter mobile stations, and with W9VGG and K9OFG, who operated at their home locations to dispatch 75-meter mobile stations.

Operation was from 1:00 P.M. to 5:00 P.M. on 3910 kc. and 50.7 mc., with all assignments given the amateur operators carried out successfully within the time allotted for the operation.

Mobile stations in operation on 75 meters were K9GMD, K9SEL, W9MHP, K9CBY, W9YJP, W9FZW and K9KTL. Mobile stations on 6 meters were K9LQW, K9CRF and K9SVB. Assisting at the base stations were W9UQW, W9POF, K9ZHR, W9DFO and W9SVC.

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Don Litwiler, W9MHF, reports he hasn't received that first TVI complaint since he started operating on 1200 mc.!

On the subject of TVI, it has been reported that some Beech Grove residents are hot under the collar about "amateur interference" with their TV programs and are circulating a petition, presumably to go to the FCC, complaining about the situation.

It would appear that the complainants have no justifiable grievance, since they name several hams who they say are causing their troubles and one of those named hasn't been on the air for some time! It seems quite unlikely that the other hams in the neighborhood would all be causing TVI at the same time. On humorist commented he heard a rumor the neighbors were building a jamming station.

R. J. Kryter of the Esterline Angus Meter Co. was to show the balance of his pictures of a trip through the Canadian Rockies. The final meeting of the month was devoted to an initiation. The Committee for the event was as follows: Inspector General, R. B. Annis; Chief Monitor, Glenn Montgomery; Historian, Wm. F. Leuth, Jr.; Chief Examiner, Wade Kingery; High Executioners, Arnold Dickmeyer and Howard McDonald; Eats by Paul Nelson and Robert Caskey.

A suggestion was made that in those slow times, it would be the proper time to have programs on the subjects that were talked about in common terms but yet have no real understanding. Thus for example, if one were asked to explain what the mutual conductance is, would you be able to do so? (Not too bad an idea for the present day because don't too many of us pass off a lot of things with the thought that we know, whereas we just have heard the terms.)

Arnold Finchum reported in from the Navy Radar School at Great Lakes Training Station, Great Lakes, Illinois.

The Club code school finished with 15 graduates having attained the required code speed. This one just past had been conducted by Arthur Schultz and Charles Campbell was toying with the idea of starting another right away. About the same time, the paper editor had received his physical and was soon to join the Armed Forces.

Radio was being used in model airplanes as a QST article covered the Model Airplane Meet and gave a run down of same. In the same issue, Stancor was introducing more of their transmitter kits, this one a 60 watt covering 10 meters to 160 meters, and the Meissner Shifter was rolling along, in the Eleventh Sweepstakes Contest. Said so in their ad. The Hallicrafter SX 28 and the National NC-200 were in their prime. One editorial that caught the eye was that one concerning the "appaling decline in the quality of American broadcast receivers", particularly as concerns their lack of protection against interference from other services. Those were the BCI days before the ugly boxes grew eyes. (continued on page 10)

de K9KTL

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A Lecher wire system for U.H. frequency measurement was shown in order that one might know where he was in the VHF bands. (Wonder if they are still used?) The new National catalog for 1942 contained an item which never was to get off first base. This was their 5B100 Tank circuit which consisted of a variable condenser ganged to a variable inductance, a modified varionometer (wonder how many of the latest crop of hams know what that was?) By the way, a BC set using a three gang varionometer for tuning was noted to have low noise level. At any rate, the 5-B-100 had a 16-1 range which allowed it to cover 5 ham bands. In receivers, the 9000 series of tubes for the high frequencies were being expounded with super-regenerative receivers.

de W9NDQ

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THE GREAT WHITE FATHER HAS SPOKEN!!!

FCC has denied the League petition for an end to the dual identification requirement for amateurs using radio-teletype. Dual signing is necessary, the FCC says, since amateurs are not assigned specific frequencies and mutual interference between adjacent amateur signals makes positive identification of RTTY stations difficult for its monitors. Further, mobile monitoring vehicles are not equipped for RTTY. Full text of the decision is in the April QST.

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VAN SICKLE SPECIALS

|                                  |          |
|----------------------------------|----------|
| HEATH DX 35 .....                | \$ 29.95 |
| GLOBE CHIEF .....                | \$ 29.00 |
| HALLICRAFTER SX 101 A .....      | \$369.00 |
| HAMMARLUND HQ 100 C .....        | \$169.00 |
| HALLICRAFTER S 38 .....          | \$ 39.00 |
| JOHNSON VIKING II .....          | \$159.00 |
| DRAKE Q-MULTIPLIER .....         | \$ 9.50  |
| R.M.E. CONVERTER .....           | \$ 24.00 |
| SIX-METER T-CRAFT XMTR .....     | \$ 29.00 |
| MONOKEY .....                    | \$ 19.95 |
| Hallicrafter SX 99 .....         | \$ 89.00 |
| CLEGG 99'R IS BEST 6 METER BUY @ | \$139.00 |

QST - March - 1962 - "It Seems to Us".....  
The plans for a new and enlarged Amateur Radio Relay League headquarters seem very attractive. We understand that the present building is now considerably over-crowded.

One method under consideration for financing the project is to invite gifts to a new building fund.

Although ARRL is in a decidedly comfortable position, it would seem unwise to use the reserve and lose the income from it. If these plans are adopted, there will undoubtedly be some healthy donations. However, a "couple of bucks" from all who could afford it, would make such a plan feasible.

Read the editorial and the article on Page 47, then write to the League and express your opinion.

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DX GIMMICK

During the DX Contest, we ran across a clever gimmick. FS 7 RT, has an extremely attractive QSL card. It has a copy of an oil painting by his XYL which you may have after a QSO by sending a carbon copy of your letter to your Senator in which you urge passage of the bills to permit reciprocal licensing. He has over 500 carbon copies as of March 4th.

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ARRL DX CONTEST  
Phone Section - March 3rd and 4th

All those interested in the DX Contest had a field day early this month when the 20 meter band obligingly stayed open. All parts of the world seemed to show up along with a number of UA stations early Sunday morning.

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Write your Congressman today, concerning liberal reciprocal licensing by the Federal Communications Commission. Do your part to help foreign hams visiting the United States to keep on the air.

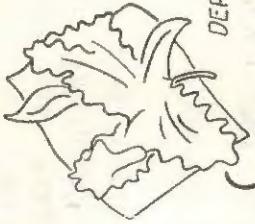
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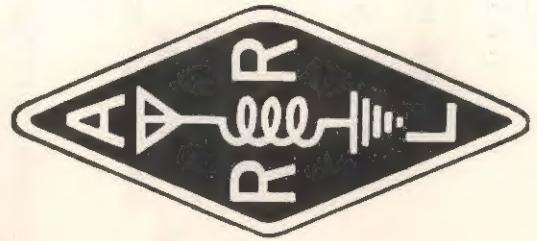
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